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(71) Applicant (for all designated States except US): NEU-ROSEARCH A/S [DK/DK]; 93 Pederstrupvej, DK-2750 Ballerup (DK).

(72) Inventors; and

- (75) Inventors/Applicants (for US only): SCHEEL-KRÜGER, Jørgen [DK/DK]; c/o NeuroSearch A/S, 93 Pederstrupvej, DK-2750 Ballerup (DK). BLACK-BURN-MUNRO, Gordon, John [GB/DK]; c/o NeuroSearch A/S, 93 Pederstrupvej, DK-2750 Ballerup (DK).
- (74) Common Representative: NEUROSEARCH A/S; Att: Patent Department, 93 Pederstrupvej, DK-2750 Ballerup (DK).
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GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: COMBINATION OF ATYPICAL ANTIPSYCHOTIC AND SEROTONIN REUPTAKE INHIBITOR FOR THE TREATMENT OF CHRONIC PAIN

(57) Abstract: This invention relates to the use of the combined action of an atypical antipsychotic and a serotonin reuptake inhibitor for the treatment of chronic pain. Examples of atypical antipsychotics include olanzapine, clozapine, resperidone, serindole, quetiapine, and ziprasidone. Serotonin reuptake inhibitors include fluoxetine, venlafaxine, citalopram, fluvoxamine, paroxetine, sertraline, milnacipran and duloxetine. Fibramyalgia, inflammatory pain, neuropathic pain, chronic fatigue syndrome etc. are included in the definition of chronic pain.



INTERNATIONAL SEARCH REPORT

International Application No PCT/DK 03/00353

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A61K45/06 A61P25/04 A61P25/18 A61 //A61K31/519,A61K31/138

A61P25/24

A61P25/00

Relevant to claim No.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Category °

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Minimum documentation searched (classification system followed by classification symbols) IPC 7-A61K-A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, CHEM ABS Data, EMBASE, BIOSIS

Citation of document, with indication, where appropriate, of the relevant passages

X	WO 97 35584 A (LILLY CO ELI) 2 October 1997 (1997-10-02) claims 1,2 page 1, line 4 - line 16 page 2, line 34 -page 3, line 2	1-7	
х	W0 97 35586 A (LILLY CO ELI) 2 October 1997 (1997-10-02) page 9, line 8 - line 9 page 12, line 4 - line 14; claim	1-7	
		-/	
"A" docume conside "E" earlier de filing de "L" docume which in citation "O" docume other ne "P" docume later the	nt which may throw doubts on priority claim(s) or is cited to establish the publication date of another n or other special reason (as specified) ent referring to an oral disclosure, use, exhibition or	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combined with one or more other such documents, such combination being obvious to a person skilled in the art. "8" document member of the same patent family Date of mailing of the international search report	
	5 September 2003	2 2. 10. 2003	
Name and m	nailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Ingrid Eklund	

INTERNATIONAL SEARCH REPORT

International Application No
PCT/DK 03/00353

0 (0	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	FC1/DK 03/00333
C.(Continu Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Category *	Organion of document, while includes it, where appropriately or the restain packages	. is.ovan to dam 140.
A	DATABASE EMBASE [Online] ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL AN 2002290326; FE-BORNSTEIN M. ET AL: "Improvement in the level of psychosocial functioning in chronic pain patients with the use of risperidone" XP002255676 abstract & PAIN MEDICINE, vol. 3, no. 2, 2002, pages 128-131, ISSN: 1526-2375	1-7

International application No. PCT/DK 03/00353

INTERNATIONAL SEARCH REPORT

x I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)						
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:						
1. X Claims Nos.: 7 because they relate to subject matter not required to be searched by this Authority, namely: see FURTHER INFORMATION sheet PCT/ISA/210						
2. X Claims Nos.: 1-6, partly because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically: See FURTHER INFORMATION sheet PCT/ISA/210						
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).						
Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)						
This International Searching Authority found multiple inventions in this international application, as follows:						
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.						
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.						
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:						
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:						
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.						

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.1

Claims Nos.: 7

Claim 7 relates to a method of treatment of the human or animal body by surgery or by therapy/a diagnostic method practised on the human or animal body/Rule 39.1(iv). Nevertheless, a search has been executed for this claim. The search has been based on the alleged effects of the compound/composition.

Continuation of Box I.2

Claims Nos.: 1-6, partly

The initial phase of the search revealed a very large number of documents relevant to the issue of novelty. So many documents were retrieved that it is impossible to determine which parts of the claims may be said to define subject-matter for which protection might legitimately be sought (Article 6 PCT). For these reasons, a meaningful search over the whole breadth of the claims is impossible.

Furthermore, present claims 1-7 relate to the use of a combined formulation defined by the following expressions:

E1: atypical antipsychotic

E2: serotonin reuptake inhibitor

E3: chronic pain

The use of these expressions in the present context is considered to lead to a lack of clarity within the meaning of Article 6 PCT. It is impossible to compare the parameters the applicant has chosen to employ with what is set out in the prior art. The lack of clarity is such as to render a meaningful complete search impossible. For example, the Applicant considers that the definition of chronic pain embraces e.g. pain associated with viral infection, chronic fatigue syndrome and any pain arising as a consequence of, or associated with depressive illness.

Consequently, the search has focused on the combination of claims 2, 4 and 6.

Further, the search has covered the general aspects of the invention to some extent, although it lacks the necessary precision in the definition of the subject matter. Consequently, the search for the general concept will retrieve a pertinent document only if this concept is described in general terms in a reference. Specific solutions previously known and falling under the general concept - but failing to mention this fact - are likely not to be revealed in such a search.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/DK 03/00353

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 9735584	A	02-10-1997	AU CA EP JP WO US	2587297 A 2250042 A1 0906104 A1 2000507544 T 9735584 A1 2003013689 A1 6444665 B1	17-10-1997 02-10-1997 07-04-1999 20-06-2000 02-10-1997 16-01-2003 03-09-2002
WO 9735586	A	02-10-1997	AU AU BR CA CN CZ EA EP IL JP KR NO NZ PL WO US	725556 B2 2543097 A 9708254 A 2250187 A1 1219877 A 9802982 A3 976 B1 0921802 A1 126203 A 2000507945 T 2000004965 A 984431 A 332039 A 329211 A1 9735586 A1 5945416 A	12-10-2000 17-10-1997 03-08-1999 02-10-1997 16-06-1999 13-01-1999 28-08-2000 16-06-1999 01-12-2002 27-06-2000 25-01-2000 19-11-1998 23-06-2000 15-03-1999 02-10-1997 31-08-1999